Tactical Combat Operations System

Description

The Tactical Combat Operations (TCO) System is comprised of Marine Air-Ground Task Force (MAGTF) Software Baseline, or MSBL, hosted on a suite of tactical computer hardware, which is built around a computer Intelligence Operations Server v.1 (IOS v.1) and computer Intelligence Operations Workstations (IOWs). TCO uses commercial-off-the-shelf (COTS) servers and workstations to provide commanders the automation to receive, fuse, select, and display information from many sources, and disseminate selected information throughout the battlefield.

Operational Impact

TCO is the principle tool within the MAGTF for situational awareness through the distribution of a Common Tactical Picture. It is also the point of entry for the Common Operational Picture (COP), which is input from the Global Command and Control System (GCCS). The TCO System is used to display maps and friendly/enemy unit locations, and to develop, display, and transmit overlays and plans of intended movement and maneuver. TCO attributes include: automated message processing, mission planning, development and dissemination of operational orders and overlays, display of current friendly and enemy situations, display of tactical control measures, and interface with local and wide area networks. TCO is located in the MAGTF Combat Operation Centers from the Marine Expeditionary Force through battalion level.

Program Status

The TCO project office completed a refresh cycle for the tactical IOW in FY 04, distributing 525 IOW commercial laptops (IBM model T40p) throughout the operating forces and designated supporting establishments. In FY 05, the TCO project office will begin fielding the new IOS v.1 Sun Netra 240 servers, which were procured during fourth quarter FY 04.

Procurement Profile:		FY 05	FY 06
Quantity:	IOS v.1	0	0
	IOW	0	0

Developer/Manufacturer

IOS v.1: Sun Microsystems, Santa Clara, CA
IOW: IBM